



StorageIO

Cloud and Virtual Data Storage Networking  
Current Industry Trends and Glimpse of What's Ahead  
Century College - January 31, 2011

**Industry Trends and Perspectives:**  
*Gaining more value out of IT data center resources*  
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Author "The Green and Virtual Data Center" (CRC)  
And "Resilient Storage Networks" (Elsevier)

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### Some Background Material...

Who is Greg Schulz as well as Server and StorageIO?

- Independent IT Advisor, Author, Blogger and Consultant
- Worked in IT as a customer, as a vendor and then industry analyst
- Provide industry trends and perspectives on IT infrastructure topics
- Books, articles, tips, reports, videos, podcasts appear globally



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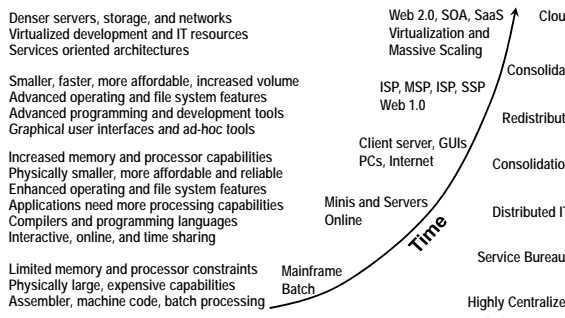
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### Industry Trends: Where we have been!

Look at where we are and have been to see where we are going!



**Consolidation**

- Web 2.0, SOA, SaaS
- Virtualization and Massive Scaling
- ISP, MSP, ISP, SSP
- Web 1.0
- Client server, GUIs, PCs, Internet
- Minis and Servers Online
- Mainframe Batch

**Redistribute**

- Smaller, faster, more affordable, increased volume
- Advanced operating and file system features
- Advanced programming and development tools
- Graphical user interfaces and ad-hoc tools
- Increased memory and processor capabilities
- Physically smaller, more affordable and reliable
- Enhanced operating and file system features
- Applications need more processing capabilities
- Compilers and programming languages
- Interactive, online, and time sharing

**Cloud**

- Denser servers, storage, and networks
- Virtualized development and IT resources
- Services oriented architectures
- Limited memory and processor constraints
- Physically large, expensive capabilities
- Assembler, machine code, batch processing

Time

Source: "The Green and Virtual Data Center" (CRC)

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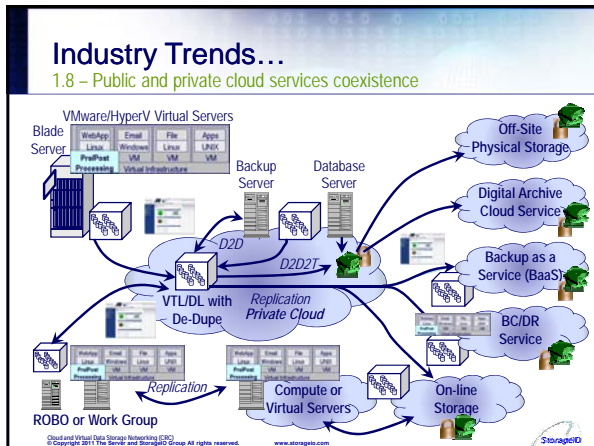
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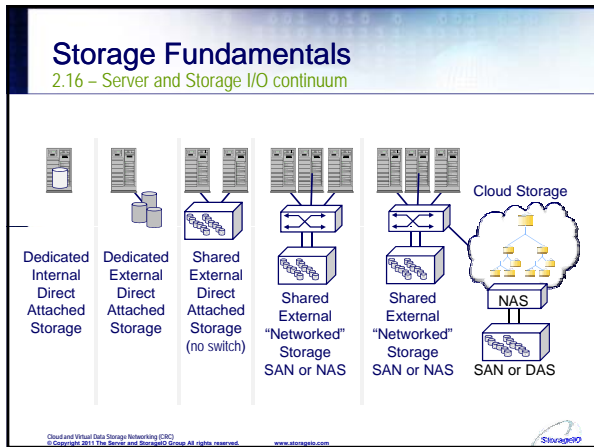
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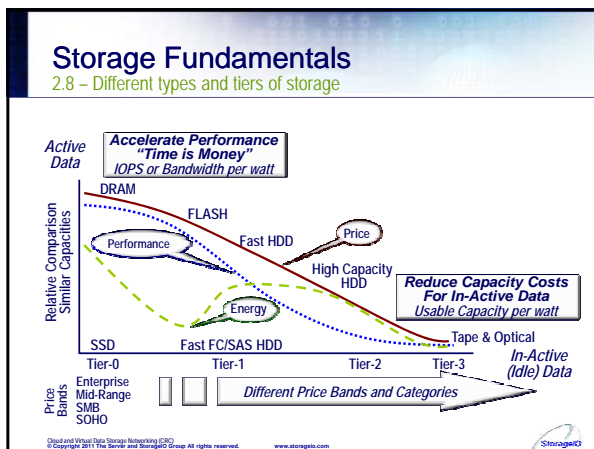
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